

BALL GUIDE POST SETS FOR DIE SETS

—PRESS-FIT POST TYPE—



※When ordering by set, only the standard dimensions are available.
If dimensions other than standards are required, order alterations
(☞P.927 ~ 929) to individual parts.

High-rigidity ball guide post sets

No stopper: **PBSH (GBSH)**
Movable stopper: **PMSH (GMSH)**
Fixed stopper: **PKSH (GKSH)**

Aluminum cage (Resin cage)

Ball guide post sets

No stopper: **PB (GB)**
Movable stopper: **PM (GM)**
Fixed stopper: **PK (GK)**

RoHS

Catalog No.	Components					
	①	②	③	④	⑤	⑥
PBSH	MSP					
PMSH	BSPM		MBSH		STM	
PKSH	BSPK		MBSH	SWP		STK
GBSH	MSP	LBB				
GMSH	BSPM		MBJH		STM	
GKSH	BSPK					STK
PB	MSP					
PM	BSPM		MBS		STM	
PK	BSPK		MBS	SWP		STK
GB	MSP	LBB				
GM	BSPM		MBJ		STM	
GK	BSPK					STK

① MSP (P.927)

① BSPM (P.927)
⑤ STM (P.935)

① BSPK (P.927)
⑥ STK (P.935)

② MBB (P.931)

② LBB (P.931)

③ MBSH (P.934)
MBS (P.934)

③ MBJH (P.934)
MBJ (P.934)

④ SWP (P.935)

MSP · BSPM · BSPK				MBB · LBB				RL	S	ℓ ₁
D	A	R	t	d	D ₁ · D ₂	D ₁ ℓ ₁	D ₂ ℓ ₂			
20	+0.020	4	2.0	26	37			50	0 ~ 19	15
22	+0.015	4	3.0	28	40			60	0 ~ 23	20
25		5	1.6	31	45		-0.007	75	0 ~ 30	25
28	+0.025	5	3.5	36	50			90	0 ~ 37	30
32	+0.020	6	2.0	40	55	+0.5		110	0 ~ 47	35
38	+0.030	6	4.0	48	64	+0.3				
45	+0.025	7		55	74		0			
50	+0.035			60	83		-0.008			
60	+0.030			70	95		0			
							-0.010			

■ Installing the bushing (Adhesives ☞ P.940)

MBB	Devcon adhesive	—
LBB	Loctite adhesive	Loctite No.638 (LOC638)

■ About high-rigidity ball guide post sets

These products utilize a high-rigidity ball cage (MBSH, MBJH) containing approximately 1.6 times more balls, achieving rigidity that is nearly equivalent to that of a plain guide at low cost.

Catalog No.	Type	D	L								② MBB · LBB		RL	FL 10mm increments	
			100	110	120	130	140	150	160	170	180	Type			BL
PBSH		20	100	110	120	130	140	150	160	170	180	M (MBB) L (LBB)	50	50	40 ~ 140
PMSH		22	120	130	140	150	160	170	180				50	50	40 ~ 140
PKSH		25	120	130	140	150	160	170	180				60	60	
GBSH										60	75		40 ~ 150		
GMSH		28	140	150	160	170	180	190	200				60	60	50 ~ 150
GKSH										80	75				
PB		32	160	170	180	190	200	220	240				80	75	
PM										100	90		70 ~ 190		
PK		38	180	190	200	220	240	260					80	75	
GB									100	90	80 ~ 190				
GM		45	180	190	200	220	240	260					100	90	
GK									100	110	80 ~ 190				
		50	200	220	240	260						100	90	80 ~ 190	
							120	110							
		60	200	220	240	260						100	90	80 ~ 190	
							120	110							

Order Catalog No. — L — ② — ④ FL

GBSH 25 — 150 — L60 — 120

Ordering code **GBSH 25 15 L6 — 12**

Days to Ship **Quotation**

Price **Quotation**

Type	M S	Type	M S	Type	M
MSP	M SUJ2 M S45C (Cap)	MBB	M SUJ2	MBJH	M Polyacetal resin (POM)
BSPM	S 58HRC ~ (Induction hardening)	LBB	S 58HRC ~	MBJ	M Polyacetal resin (POM)
BSPK	M S45C	MBSH	M A5056 (Aluminum)	SWP	M SWP-B
STM	S Black oxide (Fe ₃ O ₄)	MBS			
STK	M S45C S Black oxide (Fe ₃ O ₄) Accessories CB				

GUIDE POSTS & BUSHINGS FOR DIE SETS